

ABSTRACT OF THE DISCLOSURE

A data processing system which allows a client to request or release multiple computing resources with a single action. A grouping unit defines groups of resources, and those groups are maintained by a group manager. When a request is received from a client demanding a specific group of resources, a detection unit finds such a member resource of the requested group that is currently used by any other client. If the detection unit has found a member resource in use, then a determination unit determines whether the detected member resource is to be modified. A permission unit permits the requesting client to make access to the requested group of resources if the detection unit finds that none of the member resources of the requested group are being used by any other client, or if the determination unit finds that neither the current user nor the requesting client intends to modify the detected member resource in use.

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